Appl. No. 09/760,379

Amdt. Dated July 14, 2004

Reply to Office Action of May 14, 2004

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- 1. (Previously presented) A process for isolating a proteinaceous material in an aqueous sample comprising the steps:
 - (a) providing an aqueous sample comprising a proteinaceous material,
 - (b) contacting the aqueous sample with a solid phase having a surface on which is a mixture of hydrophobic groups and hydrophilic groups for binding the proteinaceous material to the solid phase, wherein the solid phase comprises magnetic solid particles having a diameter from ≥ 1 nm to ≤10 mm, and wherein the proteinaceous material is bound reversibly and unspecifically to said hydrophobic groups;
 - (c) removing unbound components from the solid phase,
 - (d) eluting the proteinaceous material from the solid phase, and
- (e) removing the magnetic solid particles by magnetic separation, thereby isolating the proteinaceous material.
- 2-4. (Canceled).

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- 5. (Previously presented) The process of claim 1, wherein the particles are paramagnetic or ferromagnetic.
- 6. (Previously presented) The process according to claim 1, wherein the hydrophobic groups are alkyl groups or aryl groups.
- 7. (Previously presented) The process according to claim 6, wherein the alkyl groups are at least one of a C_8 alkyl and a C_{18} alkyl.
- 8. (Previously presented) The process according to claim 1, wherein the hydrophilic groups are hydroxyl groups.
- 9. (Currently amended) The process according to claim 1 A process for isolating a proteinaceous material in an aqueous sample comprising the steps:
 - (a) providing an aqueous sample comprising a proteinaceous material,
 - (b) contacting the aqueous sample with a solid phase having a surface on which is a
 mixture of hydrophobic groups and hydrophilic groups for binding the
 proteinaceous material to the solid phase, wherein the solid phase comprises
 magnetic solid particles having a diameter from ≥1 nm to ≤10 mm, and wherein

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the proteinaceous material is bound reversibly and unspecifically to said hydrophobic groups;

- (c) removing unbound components from the solid phase,
- (d) eluting the proteinaceous material from the solid phase, and
- (e) removing the magnetic solid particles by magnetic separation, thereby isolating the proteinaceous material, wherein the molar ratio of hydrophobic to hydrophilic groups is from 10:1 to 1:10.
- 10. (Canceled).
- 11. (Previously presented) The process according to claim 1, wherein the solid phase having proteinaceous material bound thereto is subjected to at least one washing steps.
- 12. (Canceled).
- 13. (Canceled).
- 14. (Previously presented) The process according to claim 1, wherein the isolated proteinaceous material is analyzed by mass spectrometry.

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15. (Previously presented) The process according to claim 1, wherein the magnetic separation is automated.